

Title (en)
DISK ARRAY SYSTEM AND METHOD

Title (de)
NETZWERKPLATTENSYSYSTEM UND METHODE

Title (fr)
SYSTEME ET METHODE DE PILE DE DISQUES

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Abstract (en)
[origin: WO9113399A1] A method and apparatus for controlling data flow between a computer (10) and a group of memory devices (18A-18F) arranged in a particular logical configuration. The system includes a group of first level controllers (12A, 12B) and a group of second level controllers (14A, 14B). The first level controllers and the second level controllers work together such that if one of the second level controllers fails, the routing between the first level controllers and the memory devices is switched to a properly functioning second level controller without the need to involve the computer in the rerouting process. The logical configuration of the memory devices remains constant. The invention also includes switching circuitry (16) which permits a functioning second level controller to assume control of a group of memory devices formerly primarily controlled by the failed second level controller. In addition, the invention provides error check and correction (Figure 10) as well as mass storage device configuration circuitry.

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